

02-20-01

EL 465854361

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02/16/01

jc839 U.S. PTO

Please type a plus sign (+) inside this box → ☐

Approved for use through 09/30/2000. OMB 0693-0032  
 Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
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# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 C.F.R. § 1.53(b))

Attorney Docket No. **M122-1636**  
 First Inventor or Application Identifier **Shane P. Leiphart**  
 Title **Method of Forming an Aluminum Comprising Line Having**  
 Express Mail Label No. **EL 465854361 US**

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ \* Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☒ Specification [Total Pages **19**]  
(preferred arrangement set forth below) Plus title page
  - Descriptive title of the Invention
  - Cross References to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to Microfiche Appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
3. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets **4**]  
from parent application
4. Oath or Declaration [Total Pages **2**]
  - a. ☐ Newly executed (original or copy)
  - b. ☒ Copy from a prior application (37 C.F.R. § 1.63(d))  
(for continuation/divisional with Box 16 completed)
    - i. ☐ DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).

\* NOTE FOR ITEMS 1 & 13 IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28).

## ADDRESS TO:

Assistant Commissioner for Patents  
 Box Patent Application  
 Washington, DC 20231

5. ☐ Microfiche Computer Program (Appendix)
6. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - a. ☐ Computer Readable Copy
  - b. ☐ Paper Copy (identical to computer copy)
  - c. ☐ Statement verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

7. ☐ Assignment Papers (cover sheet & document(s))
8. ☐ 37 C.F.R. § 3.73(b) Statement of Power of Attorney (when there is an assignee)
9. ☐ English Translation Document (if applicable)
10. ☒ Information Disclosure Statement (IDS)/PTO-1449 [Copies of IDS Citations]
11. ☒ Preliminary Amendment
12. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
13. ☐ \* Small Entity Statement(s) [Statement filed in prior application Status still proper and desired (PTO/SB/09-12)]
14. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
15. ☒ Other: Check: Substitute Drawing Request:  
4 sheets of corrected formal drawings;  
3 sheets of red-lined drawings

## 16. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment:

- ☒ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No. **09/378,551**  
 Prior application information: Examiner **M. Barr** Group / Art Unit: **1762**  
 For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 17. CORRESPONDENCE ADDRESS

- ☒ Customer Number or Bar Code Label **021567** or ☐ Correspondence address below  
 (Insert Customer No. or Attach bar code label here)

Name	Mark S. Matkin		
	Wells, St. John, Roberts, Gregory & Matkin, P.S.		
Address	601 West First Avenue, Suite 601		
City	Spokane	State	WA
		Zip Code	99201-3828
Country		Telephone	(509) 624-4276
		Fax	(509) 838-3424

Name (Print/Type)	Mark S. Matkin	Registration No. (Attorney/Agent)	32,268
Signature		Date	2-16-01

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

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# FEE TRANSMITTAL

Patent fees are subject to annual revision on October 1.  
 These are the fees effective October 1, 1997.  
 Small Entity payments must be supported by a small entity statement,  
 otherwise large entity fees must be paid. See Forms PTO/SB/09-12.  
 See 37 C.F.R. §§1.27 and 1.28.

TOTAL AMOUNT OF PAYMENT (\$ 1,052.00

## Complete if Known

Application Number Unknown  
 Filing Date Unknown  
 First Named Inventor Shane P. Leiphart  
 Examiner Name Unknown  
 Group / Art Unit Unknown  
 Attorney Docket No. MI22-1636

## METHOD OF PAYMENT (check one)

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number 23-0925  
 Deposit Account Name Wells, St. John, Roberts

- ☒ Charge Any Additional Fee Required Under 37 C.F.R. §§ 1.16 and 1.17  
☐ Charge the Issue Fee Set in 37 C.F.R. §1.18 at the Mailing of the Notice of Allowance

2. ☒ Payment Enclosed:  
☒ Check ☐ Money Order ☐ Other

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
101 790	201 395	Utility filing fee	710.00
106 330	206 165	Design filing fee	
107 540	207 270	Plant filing fee	
108 790	208 395	Reissue filing fee	
114 150	214 75	Provisional filing fee	
SUBTOTAL (1)			(\$ 710.00

### 2. EXTRA CLAIM FEES

Total Claims	Extra Claims	Fee from below	Fee Paid
39	20** = 19	18	342
Independent Claims	3 - 3** = 0	80	0
Multiple Dependent			0

\*\*or number previously paid, if greater; For Reissues, see below

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
103 22	203 11	Claims in excess of 20	
102 82	202 41	Independent claims in excess of 3	
104 270	204 135	Multiple dependent claim, if not paid	
109 82	209 41	** Reissue independent claims over original patent	
110 22	210 11	** Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2)			(\$ 342.00

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
105 130	205 65	Surcharge - late filing fee or oath	0.00
127 50	227 25	Surcharge - late provisional filing fee or cover sheet	0.00
139 130	139 130	Non-English specification	0.00
147 2,520	147 2,520	For filing a request for reexamination	0.00
112 920*	112 920*	Requesting publication of SIR prior to Examiner action	0.00
113 1,840*	113 1,840*	Requesting publication of SIR after Examiner action	0.00
115 110	215 55	Extension for reply within first month	0.00
116 400	216 200	Extension for reply within second month	0.00
117 950	217 475	Extension for reply within third month	0.00
118 1,510	218 755	Extension for reply within fourth month	0.00
128 2,060	228 1,030	Extension for reply within fifth month	0.00
119 310	219 155	Notice of Appeal	0.00
120 310	220 155	Filing a brief in support of an appeal	0.00
121 270	221 135	Request for oral hearing	0.00
138 1,510	138 1,510	Petition to institute a public use proceeding	0.00
140 110	240 55	Petition to revive - unavoidable	0.00
141 1,320	241 660	Petition to revive - unintentional	0.00
142 1,320	242 660	Utility issue fee (or reissue)	0.00
143 450	243 225	Design issue fee	0.00
144 670	244 335	Plant issue fee	0.00
122 130	122 130	Petitions to the Commissioner	0.00
123 50	123 50	Petitions related to provisional applications	0.00
126 240	126 240	Submission of Information Disclosure Stmt	0.00
581 40	581 40	Recording each patent assignment per property (times number of properties)	0.00
146 790	246 395	Filing a submission after final rejection (37 CFR 1.129(a))	0.00
149 790	249 395	For each additional invention to be examined (37 CFR 1.129(b))	0.00
Other fee (specify)			0.00
Other fee (specify)			0.00
SUBTOTAL (3)			(\$ 0.00

\* Reduced by Basic Filing Fee Paid

## SUBMITTED BY

Typed or Printed Name Mark S. Matkin

Signature

Dat

2-16-01

## Complete (if applicable)

Reg. Number 32,268

Deposit Account User ID

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent Application Serial No. . . . . Unknown  
 Filing Date . . . . . Filed Herewith  
 Inventor . . . . . Shane P. Leiphart  
 Assignee . . . . . Micron Technology, Inc.  
 Group Art Unit . . . . . Unknown  
 Examiner . . . . . Unknown  
 Attorney's Docket No. . . . . MI22-1636  
 Title: Method of Forming an Aluminum Comprising Line Having a Titanium  
 Nitride Comprising Layer Thereon

Assistant Commissioner for Patents  
 Washington, DC 20231  
 ATTENTION: Official Draftsman

**SUBSTITUTE DRAWING REQUEST**

Please enter the enclosed substitute drawings in the above-referenced application in place of drawings originally filed. These substitute formal sheets are being submitted to add/change the proper numbering of contact opening 38 in each of Figs. 2-7 in accordance with the parent application, Patent Application Serial No. 09/368,351, filed on August 19, 1999. Red-lined copies of the sheets showing the above-described corrections are submitted along with the formal drawing sheets.

Acknowledgment of receipt of the formal drawings and their acceptance into the file is requested.

Respectfully submitted,

Dated: 2-16-01

Attorney:   
 Mark S. Matkin  
 Reg. No. 32,268